

Design of Sustainable Processes for the Production and Application of Nanocellulose

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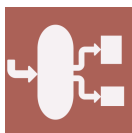
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Message from the Guest Editor

The pollution associated with non-degradable materials has incentivized the search for new sustainable materials that can help mitigate pollution and reduce dependence on fossil-origin materials. In this context, nanocellulose has proven to be a material with multiple applications in medicine, food, cosmetics, and bioelectronics, among others. Nanocellulose can be obtained from vegetal biomass (lignocellulose) and can also be produced by microorganisms (fungi and bacteria). This Special Issue aims to cover recent advances in the development of cellulose extraction and production processes. Topics include, but are not limited to, methods and/or applications in the following areas:

- Cosmetics, medicine, energy storage devices, biosensors, the environment, etc.;
- Emerging methods for nanocellulose production;
- Techno-economic studies of nanocellulose production.





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